

CLAIMS

1. Sealable folding box in the shape of a parallelepiped or cube with attached bottom and cover flaps and an attachment flap – provided with an attachment recess – that is arranged on an edge of the folding box body that extends between these flaps, characterized in that

- in addition to four side walls (11, 15, 21, 25), the folding-box body has a sealing flap (40) on one end and a combination section (50) on the other end, whereby after folding box (10) is formed, sealing flap (40) comes to rest inside on side wall (25), which, when matrix (1) of folding box (10) is extended, is the furthest from it, while in certain areas, combination section (50) is attached on the outside flat against side wall (21), which, when matrix (1) of folding box (10) is extended, is the furthest from it,
- combination section (50) consists of an inside area (51) and at least one outside area (61, 65), whereby inside area (51) is an attachment flap – provided with an attachment recess (53) – while outside areas (61, 65) are used to attach combination section (50) to side wall (21),
- outside area (61, 65) is connected to inside area (51) via a separating structure (55, 56).

2. Folding box according to claim 1, wherein combination section (50) -- seen in lengthwise direction (2) of matrix (1) that is extended – is longer than closest side wall (25) and shorter than the next side wall (21) but one.

3. Folding box according to claim 1, wherein combination section (50) – in the case of a folding box with three different long edges (71, 75, 81) – is connected in matrix

(1) that is extended to a side wall (25) whose surface area is smaller than that of the next side wall (21) but one.

4. Folding box according to claim 1, wherein the outside area of combination section (50) consists of two separate areas (61, 65), whereby these areas (61, 65) are crosswise to lengthwise direction (2) laterally to inside area (51).

5. Folding box according to claim 1, wherein the surface area of side wall (25) that is in contact with sealing flap (40) is at most 15% greater than the surface area of sealing flap (40).

6. Process for folding a folding box according to claim 1, wherein when flat folding box (10) is being folded, sealing flap (40), all side walls (11, 15, 21, 25) and combination section (50) are bent in a direction that is crosswise to lengthwise direction (2).

7. Process for folding a folding box according to claim 1, wherein when flat folding box (10) is being folded and the two end areas of the matrix that is extended are being connected, a side wall (25) comes to rest on sealing flap (40), while a side wall (21) is covered at least partially by combination area (50) that is at least partially bonded.